Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Wednesday 21 Jul 2021 until 23:59 on Thursday 22 Jul 2021

Forecast Issued on Tuesday 20 Jul 2021 at 14:40

Confidence: Good confidence for two more days of hot, largely sunny weather. Low confidence on extent and timing of any thundery showers. Moderate confidence for a change to cooler, fresher conditions, gradually through Friday, but more notably Saturday with showers spreading northeast.

Headline for Wednesday 21 Jul 2021: Early cloud clearing. Then hot and sunny, but with a chance of the odd thunderstorm later.

Mountain weather hazards on Wednesday 21 Jul 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Partly cloudy (night)	Sunny intervals	Sunny	Sunny	Sunny intervals	Sunny intervals	Clear night
Precipitation probability							
00%	00%	00%	00%	<05%	10%	10%	<05%

Forecast for Wednesday 21 Jul 2021

Weather: Some early cloud is possible around dawn, perhaps limiting views from northeastern hills. This soon burning away to give a fine day with plenty of unbroken sunshine. Feeling hot. Isolated heavy and thundery showers are again possible by the afternoon or early evening, which could bring torrential downpours or hail, although these will miss most routes.

Chance of cloud free mountain/hill tops above 600m: 70% at first, with main risk of obscured hills across northern and eastern parts. Improving to near 100% through the day. Just the outside chance of the odd patch on highest hills during heavy thundery showers.

Visibility: Generally good to very good visibility. Some poor to very poor views possible above 300m in the northeast around dawn, where hills are obscured by cloud. Also falling to moderate or poor, perhaps briefly to very poor, during any isolated heavy thundery showers.

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Mountain Weather Forecast

Forecast for Wednesday 21 Jul 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/10 E	8/11 E	8/12 E	7/11 E	7/10 E	6/9 NE	5/8 E	11/15 SE	9/12 SE
300	3/5 E	3/6 NW	6/10 NE	6/10 N	7/11 E	6/9 E	4/8 NE	7/14 SE	4/8 SE
Valley	3/8 E	5/11 E	7/12 E	5/9 NE	5/9 E	4/9 E	4/7 E	7/13 E	5/9 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/16	16/15	16/15	17/17	19/19	21/21	21/21	18/17	17/16
300	18/18	17/18	17/17	20/20	22/22	25/25	23/24	20/20	18/18
Valley	17/17	16/16	18/18	21/22	24/25	27/28	24/25	20/20	18/18
Freezing Level*	2800m	2700m	2700m	2700m	2700m	2900m	2900m	2900m	2800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Another hot and humid day, with dehydration and heat stress the main hazards. Sun protection and sufficient fluids essential. Also good to take a waterproof and to be ready to change plans, if any thundery downpours develop. Thundery showers could also include isolated gusts of 20-30mph.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 20 Jul 2021	0mm	0mm	0mm

Forecast for Thursday 22 Jul 2021

Weather: Likely clear overnight, with just the odd patch of valley mist possible. A hot, sunny day follows before further thundery showers develop during the afternoon. These again missing most routes, but have the potential to be heavy where they do occur, with hail and torrential downpours.

Maximum wind: Easterly 5-10mph, but isolated gusts up to 30mph near showers.

Chance of cloud free mountain/hill tops above 600m: Near 100%. Just the outside chance of the odd patch on highest hills during heavy thundery showers.

Visibility: Very good, only falling to moderate or poor, perhaps briefly very poor, during any heavy showers.

Temperature: **Valleys:** Plus 15 becoming Plus 29 Celsius
At 600m: Plus 16 becoming Plus 22 Celsius
Freezing level: Above summits.

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